

# RVT

宽温品 片式铝电解电容  
Chip Type Aluminum Electrolytic Capacitors



表面安装



小型薄形品



宽温度品



耐清洗品



## 产品特点 Features

适用-55℃~+105℃温度范围, 寿命2,000小时; 性能稳定, 可靠性高; 产品直径:  $\phi$  4mm~ $\phi$  16.5mm  
-55℃~+105℃ temperature range, life 2000 hours; stable performance, high reliability  
The diameter of the product:  $\phi$  4mm~ $\phi$  12.5mm

## 主要技术性能 Specifications

| 项目 Items                                                                | 特 性 Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|-----|--------------------|---------------------------------------------------|-----|--------------------|-----------------------------------------------------------|----|-----------------|--------------------------------------------------------|----|-----|-------|------------------------|------|------|------|------|------|------|------|------|---|---|------|---|---|---|---|---|---|---|---|---|------------------------|------|----|---|---|---|---|---|---|---|---|------|----|----|---|---|---|---|---|---|---|
| 工作温度范围<br>Category Temperature Range                                    | -55℃~+105℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 额定电压范围<br>Rated Voltage Range                                           | 4~100V.DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 标称电容量范围<br>NominalCapacitance Range                                     | 1μF ~ 2200 μ F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 标称电容量允许偏差<br>NominalCapacitance Tolerance                               | ± 20%(120Hz,+20 ℃)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 泄漏电流范围<br>Leakage Current(MAX)                                          | I=0.01CV( μ A) or 3 ( μ A) after 2 minutes<br>I=Leakage Current( μ A)      C=Nominal Capacitance( μ F)      V=Roted Voltage(V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 损耗角正切值<br>Dissipation Factor(MAX)<br>Tan δ (20℃,120Hz)                  | <table><tr><td>Rated Voltage(V)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Tan δ</td><td>0.35</td><td>0.30</td><td>0.24</td><td>0.20</td><td>0.18</td><td>0.16</td><td>0.14</td><td>0.14</td><td>0.14</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |      |      |      |      |      |     | Rated Voltage(V)   | 4                                                 | 6.3 | 10                 | 16                                                        | 25 | 35              | 50                                                     | 63 | 100 | Tan δ | 0.35                   | 0.30 | 0.24 | 0.20 | 0.18 | 0.16 | 0.14 | 0.14 | 0.14 |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Rated Voltage(V)                                                        | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6.3  | 10   | 16   | 25   | 35   | 50   | 63   | 100  |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Tan δ                                                                   | 0.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.30 | 0.24 | 0.20 | 0.18 | 0.16 | 0.14 | 0.14 | 0.14 |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 耐久性 Load Life                                                           | <div>+105℃施加额定工作电压2000H后, 放置16H, 电容器应满足以下要求。<br/>After applying rated voltage with max ripple current for 2000hrs at 105℃,and then resumed 16 hours, the capacitors shall meet the following requirements</div> <table><tr><td>Capacitance Change</td><td colspan="2">± 30%初始值以内      Within ± 30% of the initial value</td></tr><tr><td>Dissipation Factor</td><td colspan="2">≤200%初始值以内      Not more than 200% of the specified value</td></tr><tr><td>Leakage Current</td><td colspan="2">≤初始规定值      Not more than the specified value</td></tr></table>                                                                                                                                                                      |      |      |      |      |      |      |      |      |     | Capacitance Change | ± 30%初始值以内      Within ± 30% of the initial value |     | Dissipation Factor | ≤200%初始值以内      Not more than 200% of the specified value |    | Leakage Current | ≤初始规定值      Not more than the specified value          |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Capacitance Change                                                      | ± 30%初始值以内      Within ± 30% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Dissipation Factor                                                      | ≤200%初始值以内      Not more than 200% of the specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Leakage Current                                                         | ≤初始规定值      Not more than the specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 高温贮存 Shelf Life                                                         | <div>+105℃, 贮存1000H后, 放置16H, 电容器应满足以下要求。<br/>After storage for 1000hrs at 105℃, then resumed 16 hours, the capacitors shall meet the following requirements</div> <table><tr><td>Capacitance Change</td><td colspan="2">± 30%初始值以内      Within ± 30% of the initial value</td></tr><tr><td>Dissipation Factor</td><td colspan="2">≤200%初始值以内      Not more than 200% of the specified value</td></tr><tr><td>Leakage Current</td><td colspan="2">≤300%初始值以内      Within 300% of initial specified value</td></tr></table>                                                                                                                                                                                                           |      |      |      |      |      |      |      |      |     | Capacitance Change | ± 30%初始值以内      Within ± 30% of the initial value |     | Dissipation Factor | ≤200%初始值以内      Not more than 200% of the specified value |    | Leakage Current | ≤300%初始值以内      Within 300% of initial specified value |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Capacitance Change                                                      | ± 30%初始值以内      Within ± 30% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Dissipation Factor                                                      | ≤200%初始值以内      Not more than 200% of the specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Leakage Current                                                         | ≤300%初始值以内      Within 300% of initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 耐焊接热<br>Resistance to Soldering Heat                                    | <div>在250℃的条件下, 电容器在热板上保持30秒, 然后从热板上取出电容器,让其在室温下恢复,电容器应满足以下要求。<br/>The capacitors shall be kept on then hot plate maintained at 250℃ for 30 seconds.After removing from the hot plate and restored at room temperature, they meet the following requirement:</div> <table><tr><td>Capacitance Change</td><td colspan="2">± 10%初始值以内      Within ± 10% of the initial value</td></tr><tr><td>Dissipation Factor</td><td colspan="2">≤初始规定值      Not more than the initial specified value</td></tr><tr><td>Leakage Current</td><td colspan="2">≤初始规定值      Not more than the initial specified value</td></tr></table>                                                                                                               |      |      |      |      |      |      |      |      |     | Capacitance Change | ± 10%初始值以内      Within ± 10% of the initial value |     | Dissipation Factor | ≤初始规定值      Not more than the initial specified value     |    | Leakage Current | ≤初始规定值      Not more than the initial specified value  |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Capacitance Change                                                      | ± 10%初始值以内      Within ± 10% of the initial value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Dissipation Factor                                                      | ≤初始规定值      Not more than the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Leakage Current                                                         | ≤初始规定值      Not more than the initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |      |      |      |      |      |      |     |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| 低温特性及阻抗比<br>Low Temperature Stability<br>Impedance Ratio (MAX)<br>120Hz | <table><tr><td colspan="2">Roted Voltage (V)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td rowspan="2">Z-25℃/Z+20℃<br/>(120Hz)</td><td>&lt; Φ8</td><td>7</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>≥ Φ8</td><td>7</td><td>5</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td rowspan="2">Z-40℃/Z+20℃<br/>(120Hz)</td><td>&lt; Φ8</td><td>15</td><td>8</td><td>8</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td></tr><tr><td>≥ Φ8</td><td>15</td><td>10</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table> |      |      |      |      |      |      |      |      |     | Roted Voltage (V)  |                                                   | 4   | 6.3                | 10                                                        | 16 | 25              | 35                                                     | 50 | 63  | 100   | Z-25℃/Z+20℃<br>(120Hz) | < Φ8 | 7    | 4    | 3    | 2    | 2    | 2    | 2    | 2 | 2 | ≥ Φ8 | 7 | 5 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | Z-40℃/Z+20℃<br>(120Hz) | < Φ8 | 15 | 8 | 8 | 4 | 4 | 3 | 3 | 3 | 3 | ≥ Φ8 | 15 | 10 | 8 | 6 | 4 | 3 | 3 | 3 | 3 |
| Roted Voltage (V)                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4    | 6.3  | 10   | 16   | 25   | 35   | 50   | 63   | 100 |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Z-25℃/Z+20℃<br>(120Hz)                                                  | < Φ8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7    | 4    | 3    | 2    | 2    | 2    | 2    | 2    | 2   |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
|                                                                         | ≥ Φ8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7    | 5    | 4    | 3    | 2    | 2    | 2    | 2    | 2   |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
| Z-40℃/Z+20℃<br>(120Hz)                                                  | < Φ8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15   | 8    | 8    | 4    | 4    | 3    | 3    | 3    | 3   |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |
|                                                                         | ≥ Φ8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15   | 10   | 8    | 6    | 4    | 3    | 3    | 3    | 3   |                    |                                                   |     |                    |                                                           |    |                 |                                                        |    |     |       |                        |      |      |      |      |      |      |      |      |   |   |      |   |   |   |   |   |   |   |   |   |                        |      |    |   |   |   |   |   |   |   |   |      |    |    |   |   |   |   |   |   |   |

## ■ 尺寸图 Dimensions

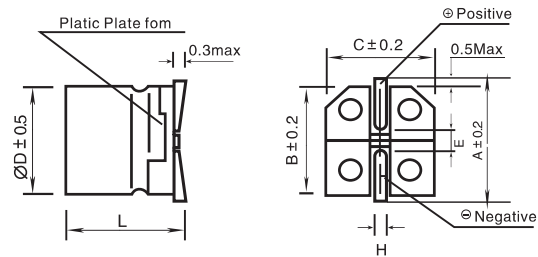


Fig. 1 (Φ4~Φ10)

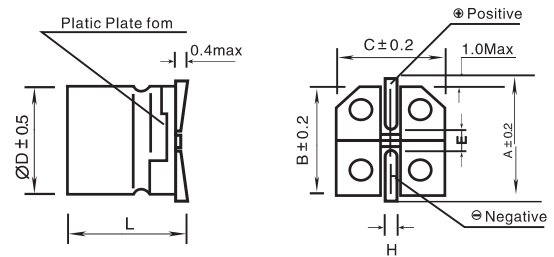


Fig. 2 (≥Φ16.5)

单位: mm

| ΦD   | L          | A    | B    | C    | E   | H       | Fig.No. |
|------|------------|------|------|------|-----|---------|---------|
| 4    | 5.4 ± 0.5  | 5.0  | 4.3  | 4.3  | 1.0 | 0.5~0.9 | 1       |
| 5    | 5.4 ± 0.5  | 6.0  | 5.3  | 5.3  | 1.5 | 0.5~0.9 | 1       |
| 6.3  | 5.4 ± 0.5  | 7.2  | 6.6  | 6.6  | 2.1 | 0.5~0.9 | 1       |
| 6.3  | 7.7 ± 0.3  | 7.2  | 6.6  | 6.6  | 2.1 | 0.5~0.9 | 1       |
| 8    | 6.5 ± 0.5  | 9.1  | 8.3  | 8.3  | 3.1 | 0.8~1.1 | 1       |
| 8    | 10.2 ± 0.5 | 9.1  | 8.3  | 8.3  | 3.1 | 0.8~1.1 | 1       |
| 10   | 10.2 ± 0.5 | 11.1 | 10.3 | 10.3 | 4.5 | 0.8~1.1 | 1       |
| 12.5 | 13.5 ± 0.5 | 13.7 | 13.0 | 13.0 | 4.4 | 1.0~1.4 | 2       |
| 16   | 16.5 ± 0.5 | 16.7 | 17   | 17   | 6.7 | 1.0~1.4 | 2       |

## ■ 标准品一览表 Standard Size

| V    | 6.3   |    | 10    |    | 16      |    | 25      |    | 35      |    | 50      |     | 63      |     | 100     |     |
|------|-------|----|-------|----|---------|----|---------|----|---------|----|---------|-----|---------|-----|---------|-----|
| μF   | D×Lmm | mA | D×Lmm | mA | D×Lmm   | mA | D×Lmm   | mA | D×Lmm   | mA | D×Lmm   | mA  | D×Lmm   | mA  | D×Lmm   | mA  |
| 0.1  |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 0.7 |         |     |         |     |
| 0.22 |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 1.6 |         |     |         |     |
| 0.33 |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 2.5 |         |     |         |     |
| 0.47 |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 3.5 |         |     |         |     |
| 0.68 |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 5   |         |     |         |     |
| 1    |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 8.0 | 4×5.4   | 7.2 | 4×5.4   | 7.2 |
| 2.2  |       |    |       |    |         |    |         |    |         |    | 4×5.4   | 12  | 4×5.4   | 12  | 6.3×5.4 | 15  |
| 3.3  |       |    |       |    |         |    |         |    | 4×5.4   | 14 | 4×5.4   | 14  | 5×5.4   | 14  | 6.3×5.4 |     |
| 4.7  |       |    |       |    |         |    | 4×5.4   | 14 | 4×5.4   | 15 | 4×5.4   | 14  | 5×5.4   | 17  | 5×5.4   | 18  |
|      |       |    |       |    |         |    |         |    |         |    | 5×5.4   | 17  | 6.3×5.4 | 22  | 6.3×5.4 | 23  |
| 6.8  |       |    |       |    |         |    | 4×5.4   | 15 |         |    |         |     |         |     |         |     |
|      |       |    |       |    |         |    |         |    |         |    |         |     |         |     |         |     |
| 10   |       |    |       |    | 4×5.4   | 17 | 4×5.4   | 15 | 4×5.4   | 15 | 5×5.4   | 23  | 6.3×5.4 | 41  | 6.3×5.4 | 34  |
|      |       |    |       |    |         |    | 5×5.4   | 21 | 5×5.4   | 22 | 6.3×5.4 | 25  | 6.3×7.7 | 26  | 6.3×7.7 | 38  |
| 22   | 4×5.4 | 22 | 4×5.4 | 21 | 4×5.4   | 21 | 5×5.4   | 26 | 5×5.4   | 30 | 6.3×5.4 | 43  | 6.3×7.7 | 53  | 8×10.2  | 90  |
|      |       |    | 5×5.4 | 26 | 5×5.4   | 28 | 6.3×5.4 | 37 | 6.3×5.4 | 40 | 6.3×5.4 | 43  | 8×6.5   | 80  |         |     |
| 33   | 4×5.4 | 23 | 4×5.4 | 23 | 5×5.4   | 29 | 5×5.4   | 30 | 6.3×5.4 | 45 | 6.3×7.7 | 63  | 8×10.2  | 116 | 10×10.2 | 136 |
|      | 5×5.4 | 28 | 5×5.4 | 34 |         |    | 6.3×5.4 | 45 | 8×6.5   | 86 | 8×6.5   | 72  |         |     |         |     |
| 47   | 4×5.4 | 26 | 4×5.4 | 27 | 5×5.4   | 33 | 5×5.4   | 30 | 6.3×5.4 | 54 | 6.3×7.7 | 66  | 8×10.2  | 125 | 10×10.2 | 148 |
|      | 5×5.4 | 34 | 5×5.4 | 31 | 6.3×5.4 | 48 | 8×6.5   | 93 | 6.3×7.7 | 75 | 8×10.2  | 120 | 10×10.2 | 168 |         |     |

mA额定纹波电流 Rated ripple current(mA, 105℃, 120Hz)

## ■ 纹波电流修正系数 / 频率系数 Multiplier For Ripple Current / Frequency coefficient

| 频率 Frequency   | 50Hz | 120Hz | 300Hz | 1kHz | ≥10kHz |
|----------------|------|-------|-------|------|--------|
| 系数 Coefficient | 0.70 | 1.00  | 1.17  | 1.36 | 1.50   |

注: 以上所提供的设计及特性参数仅供参考, 任何修改不做预先通知, 如在使用上有疑问, 请在采购前与我们联系, 以便提供技术上的协助。  
 Note: all designs and specifications are for reference only and are subject to change without prior notice, if any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

## ■ 尺寸图 Dimensions

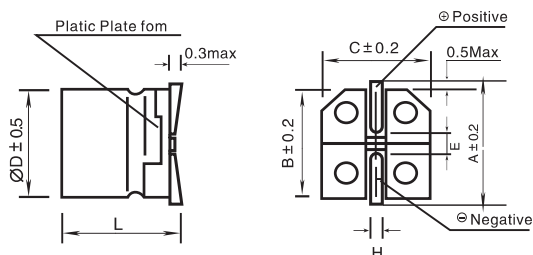


Fig. 1 (Φ4~Φ10)

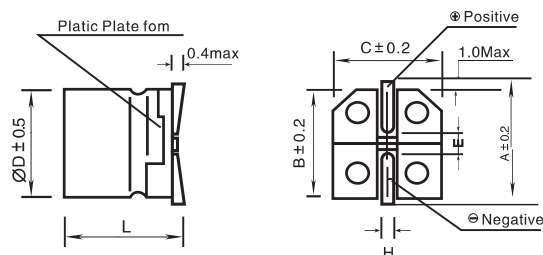


Fig. 2 (≥Φ16.5)

单位: mm

| ΦD   | L          | A    | B    | C    | E   | H       | Fig.No. |
|------|------------|------|------|------|-----|---------|---------|
| 4    | 5.4 ± 0.5  | 5.0  | 4.3  | 4.3  | 1.0 | 0.5~0.9 | 1       |
| 5    | 5.4 ± 0.5  | 6.0  | 5.3  | 5.3  | 1.5 | 0.5~0.9 | 1       |
| 6.3  | 5.4 ± 0.5  | 7.2  | 6.6  | 6.6  | 2.1 | 0.5~0.9 | 1       |
| 6.3  | 7.7 ± 0.3  | 7.2  | 6.6  | 6.6  | 2.1 | 0.5~0.9 | 1       |
| 8    | 6.5 ± 0.5  | 9.1  | 8.3  | 8.3  | 3.1 | 0.8~1.1 | 1       |
| 8    | 10.2 ± 0.5 | 9.1  | 8.3  | 8.3  | 3.1 | 0.8~1.1 | 1       |
| 10   | 10.2 ± 0.5 | 11.1 | 10.3 | 10.3 | 4.5 | 0.8~1.1 | 1       |
| 12.5 | 13.5 ± 0.5 | 13.7 | 13.0 | 13.0 | 4.4 | 1.0~1.4 | 2       |
| 16   | 16.5 ± 0.5 | 16.7 | 17   | 17   | 6.7 | 1.0~1.4 | 2       |

## ■ 标准品一览表 Standard Size

| V    | 6.3       |     | 10        |     | 16        |     | 25        |     | 35        |     | 50        |     | 63        |     | 100       |      |
|------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|------|
| μF   | D×Lmm     | mA  | D×Lmm     | mA  | D×Lmm     | mA  | D×Lmm     | mA  | D×Lmm     | mA  | D×Lmm     | mA  | D×Lmm     | mA  | D×Lmm     | mA   |
| 100  | 5×5.4     | 40  | 5×5.4     | 40  | 6.3×5.4   | 63  | 6.3×5.4   | 49  | 6.3×5.4   | 45  | 8×10.2    | 146 | 10×10.2   | 200 | 12.5×13.5 | 276  |
|      | 6.3×5.4   | 52  | 6.3×5.4   | 55  | 6.3×7.7   | 72  | 6.3×7.7   | 93  | 8×10.2    | 125 | 10×10.2   | 178 | 12.5×13.5 | 195 |           |      |
| 150  | 6.3×5.4   | 70  | 6.3×5.4   | 78  | 6.3×7.7   | 116 | 6.3×7.7   | 100 | 8×10.2    | 210 | 8×10.2    | 238 | 12.5×13.5 | 330 |           |      |
|      |           |     |           |     |           |     | 8×10.2    | 210 |           |     |           |     |           |     |           |      |
| 220  | 6.3×5.4   | 69  | 6.3×5.4   | 78  | 6.3×7.7   | 110 | 6.3×7.7   | 105 | 8×10.2    | 195 |           |     |           |     |           |      |
|      | 6.3×7.7   | 108 | 6.3×7.7   | 110 | 8×6.5     | 110 | 8×10.2    | 183 | 10×10.2   | 230 | 10×10.2   | 230 | 12.5×13.5 | 380 |           |      |
| 330  |           |     | 6.3×7.7   | 134 |           |     | 8×10.2    | 228 |           |     | 10×10.2   | 230 |           |     | 16×21.5   | 9000 |
|      | 6.3×7.7   | 108 | 8×10.2    | 108 | 8×10.2    | 201 | 10×10.2   | 240 | 10×10.2   | 247 | 12.5×13.5 | 360 |           |     |           |      |
| 470  | 6.3×7.7   | 125 | 6.3×7.7   | 160 | 8×10.2    | 240 | 8×10.2    | 228 |           |     |           |     |           |     |           |      |
|      | 8×10.2    | 214 | 8×10.2    | 214 | 10×10.2   | 300 | 10×10.2   | 286 | 10×10.2   | 286 | 12.5×13.5 | 360 | 16×16.5   | 750 |           |      |
| 680  | 6.3×7.7   | 110 |           |     |           |     | 10×13.5   | 400 | 10×13.5   | 400 |           |     |           |     |           |      |
|      | 8×10.2    | 214 | 10×10.2   | 277 | 10×10.2   | 322 | 12.5×13.5 | 440 | 12.5×13.5 | 440 |           |     |           |     |           |      |
| 1000 | 8×10.2    | 235 | 8×10.2    | 230 |           |     |           |     |           |     |           |     |           |     |           |      |
|      | 10×10.2   | 310 | 10×10.2   | 320 | 10×10.2   | 347 | 12.5×13.5 | 500 | 16×16.5   | 750 |           |     |           |     |           |      |
| 1500 |           |     | 10×12.5   | 480 |           |     |           |     |           |     |           |     |           |     |           |      |
|      |           |     | 12.5×13.5 | 540 | 12.5×13.5 | 540 |           |     |           |     |           |     |           |     |           |      |
| 2200 | 12.5×13.5 | 600 | 12.5×13.5 | 600 |           |     |           |     |           |     |           |     |           |     |           |      |

mA额定纹波电流 Rated ripple current(mA, 105℃, 120Hz)

## ■ 纹波电流修正系数 / 频率系数 Multiplier For Ripple Current / Frequency coefficient

| 频率 Frequency   | 50Hz | 120Hz | 300Hz | 1kHz | ≥10kHz |
|----------------|------|-------|-------|------|--------|
| 系数 Coefficient | 0.70 | 1.00  | 1.17  | 1.36 | 1.50   |

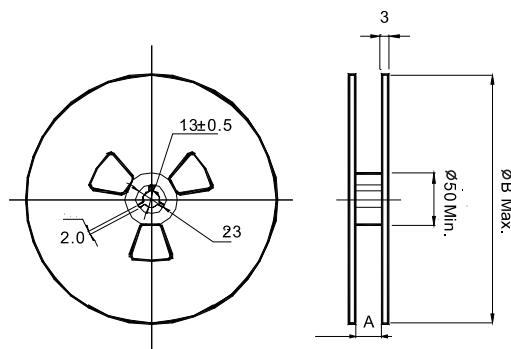
注: 以上所提供的设计及特性参数仅供参考, 任何修改不做预先通知, 如在使用上有疑问, 请在采购前与我们联系, 以便提供技术上的协助。  
 Note: all designs and specifications are for reference only and are subject to change without prior notice, if any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

# 产品编码解析 Explanation of Part Number

|             |               |             |             |             |             |             |             |             |
|-------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <div></div> | <div></div>   | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |
| Series      | Rated Voltage | Capacitance | Tol.        | Case Size   |             |             |             |             |

| Series | R.W<br>Voltage<br>(V) | Code | Capacitance<br>( $\mu$ F) | Code | Cap.Tol   | Code | Case Size | Code |
|--------|-----------------------|------|---------------------------|------|-----------|------|-----------|------|
| VT     | 4                     | 0G   | 0.1                       | 0R1  | $\pm 5$   | J    | 4*5.4     | 0405 |
| RVT    | 6.3                   | 0J   | 0.22                      | R22  | $\pm 10$  | K    | 5*5.4     | 0505 |
| RVE    | 10                    | 1A   | 0.33                      | R33  | $\pm 15$  | L    | 6.3*5.4   | 0605 |
| US     | 16                    | 1C   | 0.47                      | R47  | $\pm 20$  | M    | 6.3*7.7   | 0607 |
| UZ     | 25                    | 1E   | 1                         | 1R0  | $\pm 30$  | N    | 6.3*10.2  | 0610 |
| UN     | 35                    | 1V   | 1.5                       | 1R5  | + 20 - 10 | V    | 8*6.5     | 0806 |
| UH     | 50                    | 1H   | 2.2                       | 2R2  | + 20 - 5  | H    | 8*10.2    | 0810 |
| UL     | 63                    | 1J   | 3.3                       | 3R3  | + 10 - 20 | C    | 8*12.5    | 0812 |
| UV     | 80                    | 1K   | 4.7                       | 4R7  | + 100 - 0 | P    | 10*10.2   | 1010 |
| UD     | 100                   | 2A   | 5.6                       | 5R6  | + 30 - 10 | Q    | 10*12.5   | 1012 |
| UW     | 160                   | 2C   | 6.8                       | 6R8  | + 20 - 0  | R    | 10*13.5   | 1013 |
| SF     | 200                   | 2D   | 8.2                       | 8R2  | + 50 - 10 | T    | 12.5*13.5 | 1213 |
| SH     | 250                   | 2E   | 10                        | 100  | + 75 - 10 | U    | 12.5*16   | 1216 |
| SL     | 350                   | 2V   | 12                        | 120  | + 40 - 20 | X    | 16*16.5   | 1616 |
| SR     | 400                   | 2G   | 15                        | 150  | + 50 - 20 | S    | 16*21.5   | 1621 |
| SS     | 450                   | 2W   | 22                        | 220  | + 80 - 20 | Z    | 18*16.5   | 1816 |
| ST     | 500                   | 2H   | 33                        | 330  |           |      | 18*21.5   | 1821 |
| SU     |                       |      | 47                        | 470  |           |      | 20*16.5   | 2016 |
| HS     |                       |      | 56                        | 560  |           |      | 20*21.5   | 2021 |
|        |                       |      | 68                        | 680  |           |      |           |      |
|        |                       |      | 100                       | 101  |           |      |           |      |
|        |                       |      | 220                       | 221  |           |      |           |      |
|        |                       |      | 330                       | 331  |           |      |           |      |
|        |                       |      | 470                       | 471  |           |      |           |      |
|        |                       |      | 560                       | 561  |           |      |           |      |
|        |                       |      | 680                       | 681  |           |      |           |      |
|        |                       |      | 820                       | 821  |           |      |           |      |
|        |                       |      | 1000                      | 102  |           |      |           |      |
|        |                       |      | 1500                      | 152  |           |      |           |      |
|        |                       |      | 2200                      | 222  |           |      |           |      |
|        |                       |      | 3300                      | 332  |           |      |           |      |
|        |                       |      | 4700                      | 472  |           |      |           |      |
|        |                       |      | 6800                      | 682  |           |      |           |      |

## 卷筒 Taping Reel And Packing Quantity



| 规格<br>Specification | 卷装数量<br>Quantity/Reel | 盒装数量<br>Quantity/Bag | A ± 0.3<br>(MM) | B ± 2<br>(MM) |
|---------------------|-----------------------|----------------------|-----------------|---------------|
| Φ4*5.4              | 2000 pcs              | 20000 pcs            | 14              | 382           |
| Φ5*5.4              | 1000 pcs              | 10000 pcs            | 14              | 382           |
| Φ6.3*5.4            | 1000 pcs              | 10000 pcs            | 18              | 382           |
| Φ6.3*7.7            | 1000 pcs              | 10000 pcs            | 18              | 382           |
| Φ6.3*10.2           | 700 pcs               | 7000 pcs             | 18              | 382           |
| Φ8*6.5              | 1000 pcs              | 10000 pcs            | 18              | 382           |
| Φ8*10.2             | 500 pcs               | 5000 pcs             | 26              | 382           |
| Φ8*12.5             | 400 pcs               | 4000 pcs             | 26              | 382           |
| Φ10*10.2            | 500 pcs               | 5000 pcs             | 26              | 382           |
| Φ10*12.5            | 400 pcs               | 4000 pcs             | 26              | 382           |
| Φ10*13.5            | 300 pcs               | 3000 pcs             | 26              | 382           |
| Φ12.5*13.5          | 200 pcs               | 1600 pcs             | 34              | 382           |
| Φ12.5*16            | 200 pcs               | 1600 pcs             | 34              | 382           |
| Φ16*16.5            | 125 pcs               | 250 pcs              | 46              | 332           |
| Φ16*21.5            | 75 pcs                | 150 pcs              | 46              | 332           |
| Φ18*16.5            | 125 pcs               | 250 pcs              | 46              | 332           |
| Φ18*21.5            | 75 pcs                | 150 pcs              | 46              | 332           |
| Φ20*16.5            | 100 pcs               | 200 pcs              | 46              | 332           |
| Φ20*21.5            | 50 pcs                | 100 pcs              | 46              | 332           |

## 焊接方法和再流焊允许范围 Soldering method and allowable range of the reflow

| 焊接方式<br>Soldering Method      | 再流焊的允许范围<br>Allowable Range of Reflow                                               |
|-------------------------------|-------------------------------------------------------------------------------------|
| 热板再流焊<br>Hot-Plate Reflow     | 电容器端面上峰值温度<br>Peak temp at capacitor Terminal(℃)<br>再流焊时间(秒)<br>Reflow time(second) |
| 红外线再流焊<br>Infrared-Ray Reflow | 电容器端面上峰值温度<br>Peak temp at capacitor Terminal(℃)<br>再流焊时间(秒)<br>Reflow time(second) |

